

# (12) United States Patent Sicard

# (54) DIAMOND SHAPED DIGITIAL COLOR

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(US)

SELECTION INTERFACE

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(56)

# References Cited

### U.S. PATENT DOCUMENTS

8,494,660	B2 *	7/2013	Engelen H05B 47/155	
2004/0005261	4 1 12	£ (2004	700/19	
2004/0085361	Al*	5/2004	Kessler G06F 3/04842	
2007/0035513	A1*	2/2007	Sherrard H04M 1/27	
2009/0215091	A 1 *	0/2008	345/157 York A63F 13/00	
2008/0213981	AI	9/2008	715/720	
2008/0316730	A1*	12/2008	Diederiks H05B 47/175	
2009/0210815	A1*	8/2009	362/85 Cheng G06F 3/0236	
2009/0210019	711	0/2009	715/773	
(Continued)				

# OTHER PUBLICATIONS

Tech with Brett, "LIFX Setup and Tutorial | Fix Not Connecting Issues", published Jul. 12, 2017, available at <<a href="https://www.youtube.">https://www.youtube.</a> com/watch?v=3HhrcpRyZek>>, 24 pages (Year: 2017).\*

## (Continued)

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# **ABSTRACT**

A method for selecting colors to be projected from a lamp is provided. In one embodiment, the method includes pairing a lamp with a graphic user interface having a diamond shaped perimeter grid of selectable light color settings surrounding a selectable dimming setting. The diamond shaped perimeter grid including four color based segments, wherein each of the four color based segments provides a different family of colors. The user of the graphic user interface selects the selectable light color setting from the graphic user interface, wherein a device including the graphic user interface transmits a signal to the lamp to emit light having a color that is consistent with the selectable light color setting that has been selected by the user.

# 12 Claims, 8 Drawing Sheets

